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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/553,432	06/12/2006	Hironori Takahashi	SOEI/0060	3776	
	7590 03/27/200 <b>&amp; SHERIDAN</b> , L.L.P.	8	EXAMINER		
3040 POST OA	K BOULEVARD		GEISEL, KARA E		
SUITE 1500 HOUSTON, TX	X 77056		ART UNIT	PAPER NUMBER	
			2877		
			MAIL DATE	DELIVERY MODE	
			03/27/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Applic	ation No.	Applicant(s)				
		10/553	3,432	TAKAHASHI ET AL.				
Office Action Summary			ner	Art Unit				
		KARA	E. GEISEL	2877				
Period fo	The MAILING DATE of this commun or Reply	ication appears on	the cover sheet v	vith the correspondence a	ddress			
A SH WHIC - Exter after - If NC - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comn period for reply is specified above, the maximum st- re to reply within the set or extended period for reply reply received by the Office later than three months a ed patent term adjustment. See 37 CFR 1.704(b).	IAILING DATE OF of 37 CFR 1.136(a). In no nunication. atutory period will apply an will, by statute, cause the	THIS COMMUN o event, however, may a d will expire SIX (6) MC application to become A	ICATION. It reply be timely filed  ONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).				
Status								
1) 又	Responsive to communication(s) file	ed on 12 June 2006	3					
2a)□	This action is <b>FINAL</b> . 2b) ☐ This action is non-final.							
'=		<i>′</i> —		tters prosecution as to th	e merits is			
9/23	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)⊠	Claim(s) 1-4 is/are pending in the ap	oplication.						
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
	is)							
	6) Claim(s) is/are rejected.							
-	Claim(s) is/are objected to.							
	Claim(s) are subject to restrict	ction and/or election	n requirement.					
Applicati	on Papers							
	The specification is objected to by th	o Evaminar						
,	The specification is objected to by the The drawing(s) filed on <u>18 October 2</u>		coepted or b	objected to by the Evami	nor			
10)[	- ' '		•		iei.			
	Applicant may not request that any obje		-		NED 4 404/4)			
11)	Replacement drawing sheet(s) including				, ,			
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	ınder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2)  Notic 3) Inform	<b>t(s)</b> e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (F mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date <u>1005</u> .	PTO-948)	Paper No	Summary (PTO-413) (s)/Mail Date Informal Patent Application 				

#### **DETAILED ACTION**

## Preliminary Amendment

The preliminary amendment filed on October 18<sup>th</sup>, 2005, has been entered into this application.

It is noted that the amendment to the claims does not comply with 37 CFR 1.121. The claims have incorrect status identifiers (claims 1-2 should be labeled "original", while claims 3-4 should be labeled "currently amended"). Furthermore, the claims should be submitted with markings indicating changes that have been made to relative to the immediate prior version of the claims.

For the purposes of prosecution, the preliminary amendment has been entered, but the examiner requires that future copies of the claims and the amendments to comply with 37 CFR 1.121.

## **Priority**

Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d). The certified copy has been filed on October 18th, 2005.

# Information Disclosure Statement

The information disclosure statement filed October 18<sup>th</sup>, 2005 has been considered by the examiner.

## **Specification**

The abstract of the disclosure is objected to because it exceeds 150 words in length. Correction is required. See MPEP § 608.01(b).

Appropriate correction is required.

# Allowable Subject Matter

Claims 1-4 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

As to claim 1, the prior art of record, taken alone or in combination, fails to disclose or render obvious a fast particle generating apparatus comprising: light measuring means for measuring light

generated in the target upon irradiation with the laser beam and outputting a measurement signal; analyzing means for performing an analysis on a generation state of the fast particles in the target, based on the measurement signal from the light measuring means; and control means for controlling at least one of the laser source, the target, and the focusing optical system on the basis of a result of the analysis by the analyzing means, thereby controlling the generation state of the fast particles in the target, in combination with the rest of the limitations of claim 1.

#### Additional Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art made of record is Ruzie et al. (USPN 7,230,258), and Jurczyk et al. (US Pubs 2003/0152186).

Ruzie discloses a fast particle generating apparatus comprising: a laser source for emitting a laser beam at a predetermined intensity; a target for generating and emitting fast particles when irradiated with the laser beam in focus thereon; and a focusing optical system for focusing the laser beam emitted from the laser source, on the target.

Jurczyk discloses a fast particle generating apparatus.

### Conclusion

This application is in condition for allowance except for the formal matters discussed above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 25 USPQ 74, 453 O.G. 213, (Comm'r Pat. 1935).

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kara E Geisel whose telephone number is **571 272 2416**. The examiner can normally be reached on Monday through Friday, 8am to 4pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Gregory J. Toatley, Jr. can be reached on 571 272 2800 ext. 77. The fax phone number for the

organization where this application or proceeding is assigned is 571 273 8300.

Information regarding the status of an application may be obtained from the Patent Application

Information Retrieval (PAIR) system. Status information for published applications may be obtained

from either Private PAIR or Public PAIR. Status information for unpublished applications is available

through Private PAIR only. For more information about the PAIR system, see http://pair-

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Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer

Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR

CANADA) or 571-272-1000.

/Kara E Geisel/ Patent Examiner, Art Unit 2877

March 28, 2008